

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
		(S3 with exhaust) same S8	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/15 14:14
		S8 same S5	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/15 14:14
S1	24	("20020064742"   "20030099913"   "20060090677"   "20060115779"   "4545307"   "5231937"   "5662464"   "5727480"   "5915310"   "6145454"   "6280695"   "6357367").PN.	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/15 08:07
S2	1	10/538524	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/15 08:10
S3	1986224	blower or fan or pump or impeller	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/15 08:12
S4	8	S1 and S3	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/15 08:12
S5	109230	S3 with exhaust	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/15 08:16

S6	1	S4 and S5	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/15 08:16
S7	12578	431/2,5,10,115,116,162- 190;110/263,264,265,347,203,204,205,206,207,261,345,348.ccls.	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/15 08:27
S8	630	S5 and S7	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/15 11:41
S9	55291	nox	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/15 14:13
S10	753	((blower or fan or pump or impeller) with exhaust) same nox	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/15 14:14
S11	20	S8 and S10	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/15 14:15
S12	12681	431/2,5,10,115,116,162- 190;110/263,264,265,347,203,204,205,206,207,261,345,348.ccls.	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/30 15:26
S13	12759	431/2,5,10,115,116,162- 190;110/263,264,265,347,203,204,205,206,207,261,345,348.ccls.	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/05 19:37

S14	1286	"air injection port"	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/07 12:10
S15	1	10/538524	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/07 12:10
S16	1	S15 and S14	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/07 12:10
S17	1	"inhibiting gas injection port"	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/07 12:10
S18	1	S15 and S17	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/07 12:10
S19	1	S16 and S18	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/07 12:11
S20	12853	431/2,5,10,115,116,162- 190;110/263,264,265,347,203,204,205,206,207,261,345,348.ccls.	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/18 16:50
S21	2202252	blower or fan or pump or impeller	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/20 12:43

S22	120949	S21 with exhaust	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/20 12:43
S23	12859	431/2,5,10,115,116,162- 190;110/263,264,265,347,203,204,205,206,207,261,345,348.ccls.	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/20 12:43
S24	664	S22 and S23	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/20 12:43
S25	858	((blower or fan or pump or impeller) with exhaust) same nox	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/20 12:43
S26	21	S24 and S25	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/20 12:43
S27	21	S26	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/20 12:43
S28	131	"1310173"   "3215099"   "3261333"   "3421462"   "3743471"   "3748081"   "3781162"   "3788796"   "3920377"   "3938449"   "3955909"   "3984196"   "4013399"   "4050877"   "4095935"   "4147116"   "4223615"   "4336469"   "4359950"   "4403941"   "4416418"   "4422389"   "4442783"   "4501204"   "4538529"   "4589353"   "4624192"   "4628833"   "4646661"   "4651653"   "4655148"   "4672900"   "4748919"   "4779545"   "4807541"   "4815418"   "4838185"   "4907962"   "4913068"   "4915619"   "5007354"   "5020456"   "5105747"   "5107776"   "5121700"   "5199357"   "5231937"   "5237963"   "5343820"   "5441000"   "5450803"   "5478440"   "5601425"   "5626085"   "5709173"   "5715763"   "5724895"   "5771817".PN. OR ("2006/0115780"   "4135874"   "4545307"   "5231937"   "5307746"   "5727480"   "6186080").URPN.	US-PGRUB; USPAT; USOCR	OR	ON	2010/08/20 13:22

S39	12921	431/2,5,10,115,116,162-190;110/263,264,265,347,203,204,205,206,207,261,345,348.ccls.	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/29 11:23
S40	25	("20020064742"   "20030099913"   "20060090677"   "20060115779"   "4545307"   "5231937"   "5662464"   "5727480"   "5915310"   "6145454"   "6280695"   "6357367"),PN.	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/29 11:57
S41	2250378	blower or fan or pump or impeller	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/29 11:57
S42	8	S40 and S41	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/29 11:57
S43	123494	S41 with exhaust	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/29 11:57
S44	12921	431/2,5,10,115,116,162-190;110/263,264,265,347,203,204,205,206,207,261,345,348.ccls.	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/29 11:57
S45	669	S43 and S44	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/29 11:57
S46	880	((blower or fan or pump or impeller) with exhaust) same nox	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/29 11:57

S47	21	S45 and S46	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/29 11:57
S48	2250378	blower or fan or pump or impeller	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/29 11:57
S49	123494	S48 with exhaust	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/29 11:57
S50	12921	431/2,5,10,115,116,162- 190;110/263,264,265,347,203,204,205,206,207,261,345,348.ccls.	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/29 11:57
S51	669	S49 and S50	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/29 11:57
S52	880	((blower or fan or pump or impeller) with exhaust) same nox	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/29 11:57
S53	21	S51 and S52	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/29 11:57
S54	29	S42 or S47 or S53	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/29 11:57

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S29	21785	{burner}.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/20 13:24
S30	627733	{air or oxidant or oxygen}.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/20 13:24
S31	665880	{mix\$6}.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/20 13:25
S32	29102	{air near3 (port or nozzle)}.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/20 13:25
S33	767	S29 and S30 and S31 and S32	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/20 13:25
S34	10237	{flow near3 rate near3 (regulat\$4 or adjust\$6)}.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/20 13:26
S35	20	S33 and S34	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/20 13:26
S36	6826	{ "nitrogen oxide" or (inhibit\$3 near3 gas) }.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/20 15:25
S37	26	S33 and S36	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/20 15:25
S38	25	S37 not S35	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/20 15:25
S55	22062	{burner}.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/11/29 12:38
S56	638495	{air or oxidant or oxygen}.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/11/29 12:38
S57	677490	{mix\$6}.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/11/29 12:38
S58	29496	{air near3 (port or nozzle)}.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/11/29 12:38
S59	772	S55 and S56 and S57 and S58	US-PGPUB; USPAT; UPAD	OR	ON	2010/11/29 12:38
S60	10435	{flow near3 rate near3 (regulat\$4 or adjust\$6)}.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/11/29 12:38
S61	21	S59 and S60	US-PGPUB; USPAT; UPAD	OR	ON	2010/11/29 12:38
S62	6963	{ "nitrogen oxide" or (inhibit\$3 near3 gas) }.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/11/29 12:38
S63	26	S59 and S62	US-PGPUB; USPAT; UPAD	OR	ON	2010/11/29 12:38
S64	45	S63 or S61	US-PGPUB; USPAT; UPAD	OR	ON	2010/11/29 12:38

11/30/10 11:30:29 AM

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